SEQUENCE LISTING

<110> ROY, ARUN
LAVROVSKY, YAN
TYAGI, RAKESH
SONG, CHUNG
CHATTERJEE, BANDANA
CHEN, SHUO

<120> ESTROGEN RECEPTOR S
DEPENDENT TUMORS

<120> ESTROGEN RECEPTOR SITE-SPECIFIC RIBOZYMES AND USES THEREOF FOR ESTROGEN DEPENDENT TUMORS

1

<130> 4003.002300

<140> 10/009,420

<141> 2001-12-04

<150> PCT/US00/15243

<151> 2000-06-02

<150> 60/137,470

<151> 1999-06-04

<160> 14

<170> PatentIn version 3.0

<210> 1

<211> 22

<212> DNA

<213> ARTIFICIAL SEQUENCE

<220>

<221> misc feature

<222> ()..()

<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 1

gcctggtgtg ctccgatgaa gc

22

<210> 2

<211> 22

<212> DNA

<213> ARTIFICIAL SEQUENCE

<220>

<221> misc_feature

<222> ()..()

<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 2

cctgcagtgg cttgctgaat cc

22

<210> 3

<211> 21

<212> RNA <213> ARTIFICIAL SEQUENCE	
<220> <221> misc_feature <222> ()() <223> SYNTHETIC OLIGONUCLEOTIDE	
<400> 3 gaugaguccg ugaggacgaa a	21
<210> 4 <211> 1380 <212> DNA <213> HOMO SAPIENS	
<400> 4 ggagcccctg aaccgtccgc agctcaagat ccccctggag cggcccctgg gcgaggtgta	60
cctggacage agcaageeeg cegtgtacaa ctaeeeegag ggegeegeet aegagtteaa	120
cgccgcggcc gccgccaacg cgcaggtcta cggtcagacc ggcctcccct acggccccgg	180
gtctgaggct gcggcgttcg gctccaacgg cctggggggt ttccccccac tcaacagcgt	240
gtctccgagc ccgctgatgc tactgcaccc gccgccgcag ctgtcgcctt tcctgcagcc	300
ccacggccag caggtgccct actacctgga gaacgagccc agcggctaca cggtgcgcga	360
ggccggcccg ccggcattct acaggccaaa ttcagataat cgacgccagg gtggcagaga	420
aagattggcc agtaccaatg acaagggaag tatggctatg gaatctgcca aggagactcg	480
ctactgtgca gtgtgcaatg actatgcttc aggctaccat tatggagtct ggtcctgtga	540
gggctgcaag gccttcttca agagaagtat tcaaggacat aacgactata tgtgtccagc	600
caccaaccag tgcaccattg ataaaaacag gaggaagagc tgccaggcct gccggctccg	660
caaatgctac gaagtgggaa tgatgaaagg tgggatacga aaagaccgaa gaggagggag	720
aatgttgaaa cacaagcgcc agagagatga tggggagggc aggggtgaag tggggtctgc	780
tggagacatg agagctgcca acctttggcc aagcccgctc atgatcaaac gctctaagaa	840
gaacagcctg gccttgtccc tgacggccga ccagatggtc agtgccttgt tggatgctga	900
gccccccata ctctattccg agtatgatcc taccagaccc ttcagtgaag cttcgatgat	960
gggcttactg accaacctgg cagacaggga gctggttcac atgatcaact gggcgaagag	1020
ggtgccaggc tttgtggatt tgaccctcca tgatcaggtc caccttctag aatgtgcctg	1080
gctagagatc ctgatgattg gtctcgtctg gcgctccatg gagcacccag tgaagctact	1140
gtttgctcct aacttgctct tggacaggaa ccagggaaaa tgtgtagagg gcatggtgga	1200

gatcttcgac atgo	ctgctgg ctacatcat	c teggtteege	atgatgaatc	tgcagggaga	1260
ggagtttgtg tgcc	ctcaaat ctattattt	t gcttaattct	ggagtgtaca	catttctgtc	1320
cagcaccctg aagt	cctctgg aagagaagg	a ccatatccac	cgagtcctgg	acaagatcac	1380
<210> 5 <211> 2092 <212> DNA <213> HOMO SAF	PIENS				
<400> 5 gaattccaaa attg	gtgatgt ttcttgtat	t tttgatgaag	gagaaatact	gtaatgatca	60
ctgtttacac tatg	gtacact ttaggccag	c cctttgtagc	gttatacaaa	ctgaaagcac	120
accggacccg cagg	geteceg gggeaggge	c ggggccagag	ctcgcgtgtc	ggcgggacat	180
gcgctgcgtc gcct	ctaacc tcgggctgt	g ctcttttcc	aggtggcccg	ccggtttctg	240
agcettetge cetg	gegggga caeggtetg	c accctgcccg	cggccacgga	ccatgaccat	300
gaccctccac acca	aaagcat ctgggatgg	c cctactgcat	cagatccaag	ggaacgagct	360
ggagcccctg aacc	cgtccgc agctcaaga	t ccccctggag	cggcccctgg	gcgaggtgta	420
cctggacage agca	agcccg ccgtgtaca	a ctaccccgag	ggcgccgcct	acgagttcaa	480
cgccgcggcc gccg	gccaacg cgcaggtct	a cggtcagacc	ggcctcccct	acggccccgg	540
gtctgaggct gcgg	gegtteg getecaaeg	g cctggggggt	ttccccccac	tcaacagcgt	600
gtctccgagc ccgc	ctgatge tactgeace	c geegeegeag	ctgtcgcctt	tcctgcagcc	660
ccacggccag cagg	stgccct actacctgg	a gaacgagccc	agcggctaca	cggtgcgcga	720
ggccggcccg ccgg	gcattct acaggccaa	a ttcagataat	cgacgccagg	gtggcagaga	780
aagattggcc agta	accaatg acaagggaa	g tatggctatg	gaatctgcca	aggagactcg	840
ctactgtgca gtgt	gcaatg actatgctt	c aggctaccat	tatggagtct	ggtcctgtga	900
gggctgcaag gcct	tcttca agagaagta	t tcaaggacat	aacgactata	tgtgtccagc	960
caccaaccag tgca	ccattg ataaaaaca	g gaggaagagc	tgccaggcct	gccggctccg	1020
caaatgctac gaag	tgggaa tgatgaaag	g tgggatacga	aaagaccgaa	gaggagggag	1080
aatgttgaaa caca	agcgcc agagagatg	a tggggagggc	aggggtgaag	tggggtctgc	1140
tggagacatg agag	ctgcca acctttggc	c aagcccgctc	atgatcaaac	gctctaagaa	1200
gaacagcctg gcct	tgtccc tgacggccg	a ccagatggtc	agtgccttgt	tggatgctga	1260
gcccccata ctct	attccg agtatgatc	c taccagaccc	ttcagtgaag	cttcgatgat	1320

gggct	tactg accaacctgg	cagacaggga	gctggttcac	atgatcaact	gggcgaagag	1380		
ggtgc	caggc tttgtggatt	tgaccctcca	tgatcaggtc	caccttctag	aatgtgcctg	1440		
gctag	agatc ctgatgattg	gtctcgtctg	gcgctccatg	gagcacccag	tgaagctact	1500		
gtttg	ctcct aacttgctct	tggacaggaa	ccagggaaaa	tgtgtagagg	gcatggtgga	1560		
gatct	tcgac atgctgctgg	ctacatcatc	tcggttccgc	atgatgaatc	tgcagggaga	1620		
ggagt	ttgtg tgcctcaaat	ctattatttt	gcttaattct	ggagtgtaca	catttctgtc	1680		
cagca	ccctg aagtctctgg	aagagaagga	ccatatccac	cgagtcctgg	acaagatcac	1740		
agaca	ctttg atccacctga	tggccaaggc	aggcctgacc	ctgcagcagc	agcaccagcg	1800		
gctgg	cccag ctcctcctca	tcctctccca	catcaggcac	atgagtaaca	aaggcatgga	1860		
gcatc	tgtac agcatgaagt	gcaagaacgt	ggtgcccctc	tatgacctgc	tgctggagat	1920		
gctgg	acgee cacegeetae	atgcgcccac	tagccgtgga	ggggcatccg	tggaggagac	1980		
ggacc	aaagc cacttggcca	ctgcgggctc	tacttcatcg	cattccttgc	aaaagtatta	2040		
catca	cgggg gaggcagagg	gtttccctgc	cacagtctga	gagctccctg	gc	2092		
<pre> <210> 6 <211> 20 <212> RNA <213> ARTIFICIAL SEQUENCE <220> <221> misc_feature <222> ()() <223> SYNTHETIC OLIGONUCLEOTIDE <400> 6 uauauguguc cagccaccaa 20 <210> 7 <211> 41 <212> RNA</pre>								
<213>	ARTIFICIAL SEQ	JENCE						
<222>	<220> <221> misc_feature <222> ()() <223> SYNTHETIC OLIGONUCLEOTIDE							
<400>	7							

uugguggcug cugaugaguc cgugaggacg aaacacauau a

```
<210> 8
<211> 10
<212> RNA
<213> ARTIFICIAL SEQUENCE
<220>
<221> misc feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE
<400> 8
uauauguguc
                                                                     10
<210> 9
<211> 10
<212> RNA
<213> ARTIFICIAL SEQUENCE
<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE
<400> 9
                                                                     10
cagccaccaa
<210> 10
<211> 21
<212> RNA
<213> ARTIFICIAL SEQUENCE
<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE
<400> 10
uuauggaguc ugguccugug a
                                                                     21
<210> 11
<211> 42
<212> RNA
<213> ARTIFICIAL SEQUENCE
<220>
<221> misc feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE
<400> 11
ucacaggacc acugaugagu ccgugaggac gaaacuccau aa
                                                                    42
```

```
<210> 12
<211> 10
<212> RNA
<213> ARTIFICIAL SEQUENCE
<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE
<400> 12
uuauggaguc
                                                                    10
<210> 13
<211> 11
<212> RNA
<213> ARTIFICIAL SEQUENCE
<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE
<400> 13
ugguccugug a
                                                                    11
<210> 14
<211> '42
<212> RNA
<213> ARTIFICIAL SEQUENCE
<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE
<400> 14
ucacaggacc acuuaugagu ccgugaggac gaaccuccau aa
                                                                 . 42
```